

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

**Division of Air Quality
AIR QUALITY ADVISORY
Western Interior Alaska #2019-F11
Friday, June 28, 2019**

LOCATION(S) IMPACTED: Communities located on and around the Yukon River, north of the Kuskokwim Mountains, and communities near McGrath will be impacted by smoke from the Old Grouch Top and Hurst Creek fires. Smoke from these fires are spreading out through the eastern part of Western Alaska and migrating into Central Alaska.

VALID TIME: Friday, June 28, 2019 12:00 PM to Monday July 1, 2019 4:00 PM, advisory will be issued until end of the event.

TIME/DATE OF THE NEXT REPORT: Monday July 1, 2019 4:00 PM.

ADVISORY: Expect winds out of the south-southwest over the weekend with wind speeds around 10-15 mph during the afternoon hours. Hot/dry weather will aid in fire and smoke development through Sunday. Late Sunday a low is forecasted to move into the region, winds will shift to a westerly component and speeds will increase to 25 mph ahead of the system. It is still undetermined how much precipitation will fall or if it will be enough to control the two fires. Air Quality will vary between **GOOD** and **UNHEALTHY** depending on wind flow and proximity to the fires. **See the table below for more guidance on the Air Quality Categories and Cautionary Statements.**

Be aware that areas immediately downwind of any fire will experience **HAZARDOUS** levels of smoke. Generally, worse conditions occur overnight and during the early morning hours, as the atmosphere cools and brings smoke to the surface. During the day, surface heating will mix smoke and carry it upwards, temporarily improving air quality.

SMOKE AND PUBLIC IMPACT: This is an area forecast, and as such is a general forecast for portions of Southwestern Interior Alaska. Smoke intensity will vary depending on precise location and local wind flow patterns. Smoke concentrations will be such that they could impact public health at times. It is advised that travelers check local weather as smoke conditions may vary considerably from one locality to the next. The most recent weather observations may be found on National Weather Service's homepage at <https://www.wrh.noaa.gov/map/>. UAFSMOKE, Wildfire Smoke Prediction for Alaska can be accessed at <http://smoke.alaska.edu/PM25.html>

In smoke impacted areas, DEC advises people with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion.

The following table contains the cautionary statements for the Air Quality for Particle Pollution.

Air Quality Category	Cautionary Statements
Good	None
Moderate	Unusually sensitive people should consider reducing prolonged or heavy exertion.
Unhealthy for Sensitive Groups	People with heart or lung disease, the elderly and children should reduce prolonged or heavy exertion.
Unhealthy	People with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion
Very Unhealthy	People with respiratory or heart disease, the elderly and children should avoid any outdoor activity; everyone else should avoid prolonged exertion
Hazardous	Everyone should avoid any outdoor exertion; people with respiratory or heart disease, the elderly and children should remain indoors

When air quality data is unavailable, the following **Air Quality Smoke Reference Guide** may be used to estimate air quality levels and potential health impacts:

Visibility	Air Quality
10+ miles	Good
6 - 9 miles	Moderate
3 - 5 miles	Unhealthy for sensitive groups
1.5 - 2.5 miles	Unhealthy
0.9 - 1.4 miles	Very Unhealthy
0.8 miles or less	Hazardous

FOR MORE INFORMATION: For information on this advisory, contact Mark Smith with the Division of Air Quality at 907-269-7676.

